

| Application part |   |   |   |    | Model          |                         |                   | Unit                      | mm   |                        |  |  |
|------------------|---|---|---|----|----------------|-------------------------|-------------------|---------------------------|------|------------------------|--|--|
|                  |   |   |   |    | NAC-2500       |                         |                   |                           |      |                        |  |  |
|                  |   |   |   |    | Main PCB ASS'Y |                         |                   | Scale                     | N/S  |                        |  |  |
|                  |   |   |   |    | EA1-0040 (2/3) |                         |                   | General Tolerance         | ±0.1 |                        |  |  |
|                  |   |   |   |    |                |                         |                   |                           |      | PE-700 (2006 . 5 . 19) |  |  |
| No               | D | C | B | A  | Part No        | Symbol & Reference      |                   |                           |      | Maker                  |  |  |
| 1                |   |   |   | 1  | EB1-0019A      |                         | NAC-2500 MAIN PCB | 179x79.7x1.7t , 6L (V0.5) |      |                        |  |  |
| 2                |   |   |   | 55 | EC1-0001D      | BC1~BC51,C15,C49,C51~52 | CERAMIC CAPACITOR | 0.1uF,16V, ±10%,S1608     |      | WALSIN                 |  |  |
| 3                |   |   |   | 7  | EC1-0002A      | C17,C20~C23,C25,C28     | CERAMIC CAPACITOR | 1UF/10V,+80~-20%,S1608    |      | WALSIN                 |  |  |
| 4                |   |   |   | 4  | EC1-0004E      | C35,C38,C43,C48         | CERAMIC CAPACITOR | 22pF,50V, ±5%,S1608       |      | WALSIN                 |  |  |
| 5                |   |   |   | 2  | EC1-0013A      | C44,C45                 | CERAMIC CAPACITOR | 33pF,50V, ±5%,S1608       |      | WALSIN                 |  |  |
| 6                |   |   |   | 1  | EC3-0018A      | C39                     | ELECTRO CAPACITOR | SCDM3R3224R               |      | Korchip                |  |  |
| 7                |   |   |   | 3  | EC3-0001A      | C37,C46,C47             | TANTAL CAPACITOR  | 4.7uF,10V±10%,S3216       |      | FUJITSU                |  |  |
| 8                |   |   |   | 3  | EC3-0002A      | C19,C27,C50             | TANTAL CAPACITOR  | 47μF,16V, ±20,S7343       |      | VISHAY                 |  |  |
| 9                |   |   |   | 3  | EC3-0003A      | C18,C24,C26             | TANTAL CAPACITOR  | 10μF,16V±20%,S3216        |      | VISHAY                 |  |  |
| 10               |   |   |   | 4  | EC3-0003D      | C14,C29,C30,C31         | TANTAL CAPACITOR  | 4.7uF,20V , ±20%,S3216    |      | VISHAY                 |  |  |
| 11               |   |   |   | 2  | EC3-0007A      | C1,C2                   | ELECTRO CAPACITOR | 22μF,50V±20%Sφ6.3         |      |                        |  |  |
| 12               |   |   |   | 13 | ED1-0001B      | D3,D5~D16               | DIODE             | 1N4148, CHIP3415          |      | DEC                    |  |  |
| 13               |   |   |   | 2  | ED1-0002B      | D1,D2                   | DIODE             | SS210                     |      | DEC                    |  |  |
| 14               |   |   |   | 34 | EE4-0003A      | BL1~BL34                | FERRITE BEAD      | MPZ2012-S221A             |      | TDK                    |  |  |
| 15               |   |   |   | 1  | EH2-0004A      | D4                      | LED               | LED GREEN,1.8V,CHI1608    |      | AUK                    |  |  |
| 16               |   |   |   | 1  | EN2-0001H      | J4                      | CONNECTOR-MOLEX   | 53047-0910(1.25mm)        |      | MOLEX                  |  |  |
| 17               |   |   |   | 1  | EN2-0004B      | JP1                     | JUMPER            | A2-2PA-2.54DSA            |      | DAEWON                 |  |  |
| 18               |   |   |   | 1  | EN2-0009B      | J10                     | CONNECTOR         | 53398-0390                |      | MOLEX                  |  |  |
| 19               |   |   |   | 1  | EN2-0010E      | J2                      | CONNECTOR         | 5267-06A                  |      | MOLEX                  |  |  |
| 20               |   |   |   | 1  | EN2-0023A      | J1                      | CONNECTOR         | 5267-03A                  |      | MOLEX                  |  |  |
| 21               |   |   |   | 1  | EN2-0024A      | J3                      | CONNECTOR         | 70543-0001                |      | MOLEX                  |  |  |
| 22               |   |   |   | 2  | EN2-0025A      | J5,J9                   | CONNECTOR         | 5267-04A                  |      | MOLEX                  |  |  |
| 23               |   |   |   | 2  | EN2-0026A      | J6,J8                   | CONNECTOR         | 52559-2092                |      | MOLEX                  |  |  |
| 24               |   |   |   | 1  | EN2-0027A      | J7                      | CONNECTOR         | 52207-1890                |      | MOLEX                  |  |  |
| 25               |   |   |   | 2  | EN2-0028A      | J12,J15                 | CONNECTOR         | DSS-200-20P               |      | DAEWON                 |  |  |
| 26               |   |   |   | 2  | EN2-0029A      | J13,J14                 | CONNECTOR         | DSS-200-16P               |      | DAEWON                 |  |  |
| 27               |   |   |   | 4  | EQ1-0002A      | Q1,Q2,Q4,Q5             | TR                | MMBT4401LT1               |      | AUK                    |  |  |
| 28               |   |   |   | 1  | EQ1-0007A      | Q3                      | TR                | BC338-25ZL1               |      | On-Semi                |  |  |
| 29               |   |   |   | 3  | ER2-0001A      | R29,R33,R54             | RESISTOR          | 0Ω, ±5%,S1608             |      | WALSIN                 |  |  |
| 30               |   |   |   | 1  | ER2-0001D      | R42                     | RESISTOR          | 100Ω, ±5%,S1608           |      | WALSIN                 |  |  |
| 31               |   |   |   | 2  | ER2-0001F      | R34,R40                 | RESISTOR          | 330Ω, ±5%,S1608           |      | WALSIN                 |  |  |
| 32               |   |   |   | 1  | ER2-0001G      | R57                     | RESISTOR          | 470Ω, ±5%,S1608           |      | WALSIN                 |  |  |
| 33               |   |   |   | 1  | ER2-0001K      | R50                     | RESISTOR          | 560Ω, ±5%,S1608           |      | WALSIN                 |  |  |
| 34               |   |   |   | 4  | ER2-0001M      | R6,R37,R38,R43          | RESISTOR          | 1KΩ, ±5%,S1608            |      | WALSIN                 |  |  |
| 35               |   |   |   | 2  | ER2-0001N      | R12,R13                 | RESISTOR          | 1.5KΩ, ±5%,S1608          |      | WALSIN                 |  |  |
| 36               |   |   |   | 3  | ER2-0001Q      | R41,R67,R68             | RESISTOR          | 3KΩ, ±5%,S1608            |      | WALSIN                 |  |  |



| Application part |   |   |   |   | Model           |                    |                     | Unit                        | mm   |        |  |  |
|------------------|---|---|---|---|-----------------|--------------------|---------------------|-----------------------------|------|--------|--|--|
|                  |   |   |   |   | NAC- 2500       |                    |                     | Scale                       | N/S  |        |  |  |
|                  |   |   |   |   |                 |                    |                     |                             |      |        |  |  |
|                  |   |   |   |   | RELAY PCB ASS'Y |                    |                     | General Tolerance           | ±0.1 |        |  |  |
| EA1-0041 (2/2)   |   |   |   |   |                 |                    |                     |                             |      |        |  |  |
| NO               | D | C | B | A | Part No         | Symbol & Reference |                     |                             |      | Maker  |  |  |
| 1                |   |   |   | 1 | EB1-0020A       |                    | NAC- 2500 RELAY PCB | 81 X 40 (V 1.0)             |      |        |  |  |
| 2                |   |   |   | 1 | EC1-0007E       | C1                 | CERAMIC CAPACITOR   | 22nF,50V, ±10%,S1608        |      | WALSIN |  |  |
| 3                |   |   |   | 4 | EC1-0015A       | C2, C8, C14~15     | CERAMIC CAPACITOR   | 0.1µF,50V, S1608            |      | WALSIN |  |  |
| 4                |   |   |   | 2 | EC1-0016A       | C3, C4             | CERAMIC CAPACITOR   | 4.7µF,50V, -20/+80,S3225    |      | WALSIN |  |  |
| 5                |   |   |   | 1 | EC1-0016B       | C9                 | CERAMIC CAPACITOR   | 2.7nF/50V, ±10,S1608        |      | WALSIN |  |  |
| 6                |   |   |   | 1 | EC3-0002A       | C6                 | Tantal Capacitor    | 47µF,16V, ±20,S7343         |      | VISHAY |  |  |
| 7                |   |   |   | 2 | EC3-0007A       | C11,C12            | ELECTRO CAPACITOR   | 22µF,50V±20%SΦ6.3           |      |        |  |  |
| 8                |   |   |   | 1 | EC3-0008A       | C5                 | ELECTRO CAPACITOR   | 0.1µF,50V, ±20,SΦ4          |      |        |  |  |
| 9                |   |   |   | 1 | EC3-0017A       | C13                | TANTAL CAPACITOR    | 4.7F,50V, ±20%,S7343        |      | KEMET  |  |  |
| 10               |   |   |   | 1 | ED1-0001B       | D2                 | DIODE               | 1N4148, CHIP3415            |      | DEC    |  |  |
| 11               |   |   |   | 1 | ED1-0002B       | D1                 | DIODE               | SS210                       |      | DEC    |  |  |
| 12               |   |   |   | 1 | EE1-0014A       | L1                 | INDUCTOR            | PLF10140-150M2R1 15uH, 2.5A |      | TDK    |  |  |
| 13               |   |   |   | 5 | EE4-0003A       | BL1~5              | FERRITE BEAD        | MPZ2012-S221A               |      | TDK    |  |  |
| 14               |   |   |   | 1 | EL5-0003A       | K1                 | RELAY               | DS1E-M-DC5V                 |      | NAIS   |  |  |
| 15               |   |   |   | 1 | EN2-0004B       | JP1                | JUMPER              | A2-2PA-2.54DSA              |      | DAEWON |  |  |
| 16               |   |   |   | 1 | EN2-0014E       | J4                 | CONNECTOR           | 53259-0220                  |      | MOLEX  |  |  |
| 17               |   |   |   | 2 | EN2-0029B       | J2,J3              | CONNECTOR           | DH2002(D)-125-16P           |      | DAEWON |  |  |
| 18               |   |   |   | 1 | EQ1-0005A       | Q1                 | SWITCHING TR        | KRC106S                     |      | KEC    |  |  |
| 19               |   |   |   | 2 | ER2-0001K       | R10,R11            | RESISTOR            | 560Ω, ±5%,S1608             |      | WALSIN |  |  |
| 20               |   |   |   | 3 | ER2-0001M       | R1,R12~13          | RESISTOR            | 1KΩ, ±5%,S1608              |      | WALSIN |  |  |
| 21               |   |   |   | 2 | ER2-0001R       | R7,R8              | RESISTOR            | 4.7KΩ, ±5%,S1608            |      | WALSIN |  |  |
| 22               |   |   |   | 1 | ER2-0001S       | R9                 | RESISTOR            | 10KΩ, ±5%,S1608             |      | WALSIN |  |  |
| 23               |   |   |   | 2 | ER2-0001U       | R14~15             | RESISTOR            | 1MΩ, ±5%,S1608              |      | WALSIN |  |  |
| 24               |   |   |   | 1 | ER2-0002X       | R16                | RESISTOR            | 3.3KΩ, ±5%,S1608            |      | WALSIN |  |  |
| 25               |   |   |   | 1 | ER2-0003E       | R5                 | RESISTOR            | 7.5KΩ, ±5%,S1608            |      | WALSIN |  |  |
| 26               |   |   |   | 1 | ER2-0004D       | R2                 | RESISTOR            | 30.9KΩ, ±1%,S1608           |      | WALSIN |  |  |
| 27               |   |   |   | 1 | ER2-0004G       | R3                 | RESISTOR            | 10KΩ, ±1%,S1608             |      | WALSIN |  |  |
| 28               |   |   |   | 1 | ER5-0002A       | C10                | VARISTOR            | SFI0603-050E220NP           |      | SFI    |  |  |
| 29               |   |   |   | 2 | EU8-0018A       | U2,U3              | PHOTO COUPLER       | SPC-817M                    |      | AUK    |  |  |
| 30               |   |   |   | 1 | EU8-0032A       | U1                 | POWER IC            | MP1591-DS-Z                 |      | MPS    |  |  |

| Application part |   |   |   |   | Model             |                    |                      | Unit                   | mm   |         |  |                       |  |  |
|------------------|---|---|---|---|-------------------|--------------------|----------------------|------------------------|------|---------|--|-----------------------|--|--|
|                  |   |   |   |   | NAC-2500          |                    |                      |                        |      |         |  |                       |  |  |
|                  |   |   |   |   | NETWORK PCB ASS'Y |                    |                      | Scale                  | N/S  |         |  |                       |  |  |
|                  |   |   |   |   | EA1-0042 (2/2)    |                    |                      | General Tolerance      | ±0.1 |         |  |                       |  |  |
|                  |   |   |   |   |                   |                    |                      |                        |      |         |  | PE-693 (2006 . 5 .11) |  |  |
| No               | D | C | B | A | Part No           | Symbol & Reference |                      |                        |      | Maker   |  |                       |  |  |
| 1                |   |   |   | 1 | EB1-0021A         |                    | NAC-2500 NETWORK PCB | 81 X 49 (V 1.0)        |      |         |  |                       |  |  |
| 2                |   |   |   | 8 | EC1-0001D         | BC2~BC7, C1, C3    | CERAMIC CAPACITOR    | 0.1uF,16V±10%,S1608    |      | WALSIN  |  |                       |  |  |
| 3                |   |   |   | 1 | EC1-0002A         | BC1                | CERAMIC CAPACITOR    | 1μF,10V,+80-20,S1608   |      | WALSIN  |  |                       |  |  |
| 4                |   |   |   | 7 | EE4-0003A         | BL1~4,BL7~9        | FERRITE BEAD         | MPZ2012-S221A          |      | TDK     |  |                       |  |  |
| 5                |   |   |   | 2 | EH2-0004A         | D1,D2              | LED                  | SM-1316T, GREEN, S1608 |      | AUK     |  |                       |  |  |
| 6                |   |   |   | 1 | EN1-0006A         | J3                 | CONNECTOR            | PCB-824A (RJ45)        |      | BESTSUN |  |                       |  |  |
| 7                |   |   |   | 2 | EN2-0028B         | J1,J2              | CONNECTOR            | DH2002(D)-115-20P      |      |         |  |                       |  |  |
| 8                |   |   |   | 3 | ER2-0001D         | R2,R3,R5           | RESISTOR             | 100Ω, ±5%,S1608        |      | WALSIN  |  |                       |  |  |
| 9                |   |   |   | 1 | ER2-0001R         | R11                | RESISTOR             | 4.7KΩ, ±5%,S1608       |      | WALSIN  |  |                       |  |  |
| 10               |   |   |   | 1 | ER2-0001S         | R61                | RESISTOR             | 10KΩ, ±5%,S1608        |      | WALSIN  |  |                       |  |  |
| 11               |   |   |   | 2 | ER2-0002F         | R6,R7              | RESISTOR             | 10Ω, ±5%,S1608         |      | WALSIN  |  |                       |  |  |
| 12               |   |   |   | 2 | ER2-0002M         | R8,R9              | RESISTOR             | 39Ω, ±5%,S1608         |      | WALSIN  |  |                       |  |  |
| 13               |   |   |   | 1 | ER2-0002R         | R10                | RESISTOR             | 68Ω, ±5%,S1608         |      | WALSIN  |  |                       |  |  |
| 14               |   |   |   | 1 | ER2-0004H         | R4                 | RESISTOR             | 22KΩ, ±1%,S1608        |      | WALSIN  |  |                       |  |  |
| 15               |   |   |   | 1 | ER5-0002A         | C2                 | VARISTOR             | SFI0603-050E220NP      |      | SFI     |  |                       |  |  |
| 16               |   |   |   | 1 | EU2-0002A         | U1                 | LAN                  | LAN91C96 TQFP          |      | SMSC    |  |                       |  |  |
| 17               |   |   |   | 1 | EU2-0003A         | U2                 | PHY                  | PE-68056               |      | PLUSE   |  |                       |  |  |
| 18               |   |   |   | 1 | EU3-0009A         | U4                 | EEPROM               | AT93C46-10SI-2.7       |      | ATMEL   |  |                       |  |  |
| 19               |   |   |   | 1 | EX1-0004A         | U3                 | OSC                  | SCO-103,20MHz          |      | SUNNY   |  |                       |  |  |

|                       |   |   |   |    |                |                    |  |                     |                     |          |  |  |
|-----------------------|---|---|---|----|----------------|--------------------|--|---------------------|---------------------|----------|--|--|
| Application part      |   |   |   |    | Model          |                    |  | Unit                | mm                  |          |  |  |
|                       |   |   |   |    | NAC - 2500     |                    |  | Scale               | N/S                 |          |  |  |
|                       |   |   |   |    |                |                    |  |                     |                     |          |  |  |
|                       |   |   |   |    | EA1-0043 (2/2) |                    |  | General Tolerance   | ±0.1                |          |  |  |
| PE-703 (2006 . 5 .23) |   |   |   |    |                |                    |  |                     |                     |          |  |  |
| NO                    | D | C | B | A  | Part No        | Symbol & Reference |  |                     |                     | Maker    |  |  |
| 1                     |   |   |   | 1  | EB1-0022A      |                    |  | NAC-2500 KEYPAD PCB | 155 X 78 (V 1.0)    |          |  |  |
| 2                     |   |   |   | 1  | EC1-0001D      | C1                 |  | CERAMIC CAPACITOR   | 0.1uF,16V±10%,S1608 | WALSIN   |  |  |
| 3                     |   |   |   | 20 | ED1-0001B      | D1~20              |  | DIODE               | 1N4148,S3415        | DEC      |  |  |
| 4                     |   |   |   | 3  | EH2-0001A      | D21,D23~24         |  | LED                 | RED,1.8V,S3216      | EVERIGHT |  |  |
| 5                     |   |   |   | 3  | EH2-0001C      | D22,D25~26         |  | LED                 | GREEN,1.8V,S3216    | EVERIGHT |  |  |
| 6                     |   |   |   | 1  | EN2-0009A      | J2                 |  | CONNECTOR           | 53398-0290          | MOLEX    |  |  |
| 7                     |   |   |   | 1  | EN2-0026A      | J1                 |  | CONNECTOR           | 52559-2092          | MOLEX    |  |  |
| 8                     |   |   |   | 3  | EQ1-0002B      | Q1~3               |  | SWITCHING TR        | MMBT2369LT1G        | MOTOROLA |  |  |
| 9                     |   |   |   | 3  | ER2-0001D      | R8,R15,R18         |  | CERAMIC RESISTOR    | 100Ω, ±5%,S1608     | WALSIN   |  |  |
| 10                    |   |   |   | 10 | ER2-0001E      | R1~7,R9~11         |  | CERAMIC RESISTOR    | 220Ω, ±5%,S1608     | WALSIN   |  |  |
| 11                    |   |   |   | 3  | ER2-0001M      | R12,R13,R14        |  | CERAMIC RESISTOR    | 1KΩ, ±5%,S1608      | WALSIN   |  |  |
| 3 12                  |   |   |   | 2  | ER2-0013C      | R16~17             |  | CERAMIC RESISTOR    | 49.9Ω, ±5%,S1608    | WALSIN   |  |  |